

PRODUCT GOLD
PRODUIT

PROVINCE OR PROVINCE OU British Columbia
TERRITORY TERRITOIRE

N.T.S. AREA 94 C/3
RÉGION DU S.N.R.C.

REF. AU 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

PLUTO

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 56°08'40" Long. 125°24'
Lat. Long.

Mining Division Omineca
Division minière

District Cassiar
District

County
Comté

Township or Parish
Canton ou paroisse

Lot
Lot

Concession or Range
Concession ou rang

Sec
Sect.

Tp.
Ct.

R.
R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Most of the mineral showings are in greenstone of the Takla group within 50 feet of their contact with porphyritic diorite of the Omineca intrusions, but a few of minor consequence are in the diorite. Both the greenstones and the diorite are here intensely sheared, in a north-northwesterly direction, roughly parallel with the contact. Most of the shear planes dip from 60 to 75° to the southwest. They are probably part of a major shear or fault zone that follows Pluto Creek. The mineral showings comprise lenses of mixed pyrite, arsenopyrite, and minor chalcopyrite along the shear planes. Lenses of the following maximum surface dimensions have been uncovered: 3 by 53 feet; 9 by 30 feet; 25 by 12 feet; 3 by 37 feet; 10 by 50 feet; and 3 by 30 feet. Gold assays up to 0.4 ounce a ton have been reported. Most of the gold is associated with arsenopyrite.

HISTORY OF EXPLORATION AND DEVELOPMENT
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

This property is located on Pluto Creek, a tributary of Thane Creek, some 40 miles southwest of Fort Grahame.

The 4 claims were apparently staked for the Consolidated Mining & Smelting Company of Canada Limited during the period 1927-1940. The company prospected the showings by stripping the surface hydraulically.

Roots, E.F.; Geology & Mineral Deposits of Aiken Lake
 Map-Area, British Columbia; Memoir 274, pp. 202,
 224, Geol. Surv. of Canada, 1954.

Lay, Douglas; Aiken Lake Area, North-Central British
 Columbia; Bulletin No. 1, 1940, pp. 26-28, British
 Columbia Dept. of Mines.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1030 A, Aiken Lake, B.C., (Geol.), Sc. 1":4 miles - accomp.
 Memoir 274.

Preliminary Map 48-5 A, Aiken Lake, (Geol.), Sc. 1":2 miles -
 accomp. Paper 48-5.

Map 94 C, Fort Grahame, B.C., (Topo.), Sc. 1:250,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	01-67						